

Exploration Student Worksheet: Pitch

Overview

In this Exploration, you will explore sounds with different pitch levels. You will understand the relationship between pitch and frequency.

Questions

1. How does frequency change as pitch changes?

2. Name some sounds in the world that are high-pitched and some that are low-pitched.

3. Think about a guitar string. What are three factors that would influence whether the sound the string makes has a high or low pitch?

How to Use This Exploration

1. Read the Introduction and click the **Continue** button.
2. Read the text and follow the instructions.
3. Listen to the sounds and read the outcome explanations as they appear.
4. Observe the sound waves for high and low pitch levels. Sketch the graph of sound waves representing different pitch levels.
5. Click the **Previous** button to go back to the previous instruction. Click the **Next** button to move ahead in the Exploration.
6. Click the **Close** button to close the Exploration.



Name _____ Date _____

EXPLORATIONS

Exploration Student Worksheet: Pitch

Data

Sketch the sound waves of a low-pitched sound and a high-pitched sound. Label your sketches to show how they are different.

Low-Pitched Sound

A large, empty rectangular box with a thin black border, intended for a student to draw a low-pitched sound wave.

High-Pitched Sound

A large, empty rectangular box with a thin black border, intended for a student to draw a high-pitched sound wave.